

Technical Data Sheet (TDS)

ECB-290 Epoxy Floor Patch

Two component waterproof Floor Patch

Product Description

ECB-290 is a pre-measured two-component filler used for patching large or small defects (cracks, spalls, pop outs) in the concrete substrate. Suitable for use under epoxy flooring. Adequate open time for making multiple repairs.

Pre-Installation Checklist

A successful installation requires proper preparation of the subfloor. Read and understand all applicable guidelines and technical data sheets before installation. Follow industry standards and flooring manufacturers' recommendations for subfloor moisture content, design, layout, and application of flooring materials. All flooring material's backing must be solid, sound, and free of anti-adherents. All slab constructions must meet the specific requirements of the floor covering to be installed.

Sub Floor Examination

Prior to installation, the subfloor must be checked according to applicable installation guidelines. It must be solid and sound, permanently dry, clean, free of chaps and anti-adherents, and resistant to pressure and tension. The moisture content of all floors must be measured before installation. Do not apply the product to a visibly damp surface. Examine concrete subfloor for color, cleanliness, porosity, and pre-existing residues PRIOR TO installation (for details, see Technical Information #18 @ www.staufusa.com). Concrete subfloors must be checked for contaminants and/or anti-adherents using the STAUF Epoxy Test Kit (for details, see Technical Information #16 @ www.staufusa.com).

Sub Floor Preparation

The condition of the subfloor will determine which type of mechanical treatment is required (e.g. wire brushing, sanding, grinding, or shot blasting). Dust, paint, curing compounds, sealers, residual adhesives, or other surface contaminants MUST be removed and a porous surface achieved by suitable means. The extent of subfloor preparation can only be determined at the site by the installer. Clean the surface with an industrial vacuum cleaner and tack the floor with a damp microfiber mop before application. Do not use sweeping compounds unless they are water-based as most others will contain oil or wax which will act as an anti-adherent and prevent primers, sealers, leveling compounds, coatings, and/or adhesives from bonding to the concrete. Cracks and gaps must be treated prior to application of primers, sealers, leveling compounds, coatings, and/or adhesives (for details see Technical Information #19 @ www.staufusa.com).

Mixing of Components

Pour Part B completely into Part A. Thoroughly mix the two components with an electric mixer for at least 3 minutes until a uniform mixture and color are achieved.

Installation Procedure

Spread the floor patch within approx. 15 min. and protect it from direct sunlight and draft during drying.

Limitations

When using other than STAUF products in conjunction with STAUF primers, sealers, leveling compounds, or adhesives, STAUF denies any and all responsibility for any ensuing problems and/or damages without prior written authorization from STAUF. The filler will maintain its integrity and performance even when high levels of moisture or water are present. Please see below for recommended sealers if a moisture barrier is required. In case of an accident, injury, spill, or exposure, see SDS for information. Consult the Technical Data Sheet at www.staufusa.com for updated information. The foregoing representations are based on the results of our most current product and material testing within a controlled environment and are of a non-obligatory advisory nature only. As such, they do not constitute an express or implied warranty of any kind including the Warranty of Merchantability and/or Fitness for a Particular Purpose. Because we have no control over the actual quality of workmanship, materials used, and worksite conditions, STAUF USA LLC will in no event be liable for any incidental and/or consequential damages. Therefore, we strongly recommend that prior on-site testing be conducted to refer to and study the suitability of the product for the intended purpose. With the release of this Technical Information Sheet, all its prior versions become invalid. For warranty and warranty disclaimer information please see our Limited Lifetime Warranty @ www.staufusa.com

General Features

- ❑ Works under any type of flooring
- ❑ Contains no isocyanates
- ❑ Contains no water
- ❑ High solids content
- ❑ Freeze/thaw stable
- ❑ Bridges cracks

Installation Features

- ❑ Wet lay - no flash time required
- ❑ Bridges normal sub floor variations
- ❑ Eliminates hollow spots
- ❑ Spreads easily
- ❑ Higher temp will shorten drying time
- ❑ Observe pot life during installation

Long Term Features

- ❑ Resistant against aging
- ❑ Suitable for radiant heat systems
- ❑ Eliminates hollow spots

Approved Subfloors

- ❑ Concrete Slabs
- ❑ Ceramic Tiles
- ❑ Stone, Terrazzo
- ❑ Cured Leveling Compounds
- ❑ Radiant Heated Subfloors
- ❑ Wet Concrete Slab up to 25#/24hr/1,000SF and 100% RH
- ❑ Metal Floors
- ❑ Epoxy Sealers (100% solid, cured)
- ❑ Stained Concretes (well bonded)
- ❑ Brick

Approved Trowels and Spread Rate

- ❑ 1/8 in thick: up to 33 SF/unit

Drying Time

- ❑ Approx. 4 hours

Temperature Range during Installation

- ❑ 50-90F (10-32C)

Relative Humidity Range during Installation

- ❑ 20% - 90%

Packing Size

- ❑ 2 gal. Metal Combo Pail (A+B)

Color

- ❑ Grey

Color Hardener

- ❑ White

Mixing Ratio

- ❑ 3 Parts A + 1 Part B by weight

Pot Life

- ❑ Approx. 30 min. @ 70F (21C)

Shelf Life

- ❑ 24 Months in original, unopened container

Transportation

- ❑ UN 2735 Polyamines DOT Class 8 Corrosive